

AMENDMENTS

The following listing of Claims will replace all prior versions and listing of claims in the application.

1. (currently amended) A computer readable medium integrated into a removable cartridge for an image forming device, the medium being programmed with a plurality of image enhancement data sets and data set selection criteria for selecting from among the image enhancement data sets, wherein at least one image enhancement data set includes one or more of the following:

data identifying two or more image enhancement techniques,
one or more parameters for implementing the two or more image enhancement techniques, and
selection criteria for selecting from among the two or more image enhancement techniques.

2. (previously presented) The medium of Claim 1, wherein at least one image enhancement data set includes a condition associated with data identifying an image enhancement technique and a parameter for implementing the image enhancement technique.

3. (previously presented) The medium of Claim 1, wherein at least one image enhancement data set includes a condition associated with a parameter for implementing an image enhancement technique.

4. (original) The medium of Claim 3, wherein the removable cartridge includes a printing component, and the medium is formatted to store state variable reflecting a state of the printing component and wherein the data set selection criteria represents electronic data that can be processed with the state variable to select from among the image enhancement data sets.

5. (currently amended) A computer readable medium integrated into a removable cartridge that includes a printing component for an image forming device, the medium being formatted to store a state variable reflecting a state of the printing component and programmed with a plurality of image enhancement data sets and data set selection criteria that can be processed with the state variable to select from among the image enhancement data sets, wherein at least one image enhancement data set includes one or more of the following:

data identifying two or more image enhancement techniques,
one or more parameters for implementing the two or more image enhancement techniques, and
selection criteria for selecting from among the two or more image enhancement techniques..

6. (currently amended) A removable cartridge for an image forming device, comprising:

a printing component that can be utilized by the image forming device to assist in producing a printed image; and

a memory programmed with a plurality of image enhancement data sets and data set selection criteria for selecting from among the image enhancement data sets, wherein at least one image enhancement data set includes one or more of the following:

data identifying two or more image enhancement techniques,
one or more parameters for implementing the two or more image enhancement techniques, and
selection criteria for selecting from among the two or more image enhancement techniques.

7. (original) The removable cartridge of Claim 6, further comprising a reservoir for holding imaging material, and wherein the printing component can be utilized by the image forming device to assist in producing a printed image using imaging material from the reservoir.

8. (original) The removable cartridge of Claim 7, wherein the memory is formatted to store a state variable reflecting a state of the printing component, and wherein the data set selection criteria represents electronic data that can be processed with the state variable to select from among the image enhancement data sets.

9. (original) The removable cartridge of Claim 7, wherein the data set selection criteria comprises a look-up table containing a plurality of entries, each entry having data representing a state condition and data identifying an image enhancement data set.

10. (currently amended) A removable cartridge for an image forming device, comprising:

a printing component that can be utilized by the image forming device to assist in producing a printed image; and

a memory formatted to store a state variable reflecting a state of the printing component and programmed with a plurality of image enhancement data sets and data set selection criteria that can be processed with the state variable to select from among the image enhancement data sets, wherein at least one image enhancement data set includes one or more of the following:

data identifying two or more image enhancement techniques,

one or more parameters for implementing the two or more image enhancement techniques, and

selection criteria for selecting from among the two or more image enhancement techniques.

11. (currently amended) An image enhancement method, comprising the following acts:

obtaining data set selection criteria from a memory integrated into a removable cartridge for an image forming device;

processing the data set selection criteria to select an image enhancement data set from a plurality of image enhancement data sets contained in the memory integrated into the removable cartridge; and

implementing an image enhancement technique according to the selected image enhancement data set;

wherein at least one image enhancement data set includes one or more of the following:

data identifying two or more image enhancement techniques,
one or more parameters for implementing the two or more image enhancement techniques, and
selection criteria for selecting from among the two or more image enhancement techniques..

12. (previously presented) The method of Claim 11, wherein the selected image enhancement data set includes data identifying the image enhancement technique and wherein the act of implementing the image enhancement technique further includes implementing the image enhancement technique identified by the image enhancement data set.

13. (previously presented) The method of Claim 11, wherein the selected image enhancement data set includes a parameter and the act of implementing comprises implementing the image enhancement technique according to the parameter.

14. (previously presented) The method of Claim 11, further comprising obtaining a state variable reflecting a state of a printing component and wherein the act of processing comprises processing the data set selection criteria with

the state variable to select the image enhancement data set from among the plurality of image enhancement data sets.

15. (cancelled)

16. (cancelled)

17. (currently amended) A computer readable medium having instructions for:

obtaining data set selection criteria from a memory integrated into a removable cartridge for an image forming device;

processing the data set selection criteria to select ~~select~~ an image enhancement data set from a plurality of image enhancement data sets contained in the memory integrated into the removable cartridge; and

implementing an image enhancement technique identified by the selected image enhancement data set;

wherein at least one image enhancement data set includes one or more of the following:

data identifying two or more image enhancement techniques,

one or more parameters for implementing the two or more image enhancement techniques, and

selection criteria for selecting from among the two or more image enhancement techniques..

18. (original) The medium of Claim 17, wherein the selected image enhancement data set includes a parameter and the instructions for implementing include instructions for implementing the image enhancement technique according to the parameter.

19. (cancelled)

20. (cancelled)

21. (previously presented) The medium of Claim 20, having further instructions for obtaining a state variable reflecting a state of a printing component and wherein the instructions for processing include instructions for processing the data set selection criteria with the state variable to select the image enhancement data set from among the plurality of image enhancement data sets.

22. (previously presented) An image enhancement system for an image forming device, comprising a device memory storing default image enhancement data, and execution logic configured to determine if cartridge image enhancement data is present and to implement the cartridge image enhancement data, and if the cartridge image enhancement data is not present, the execution logic is configured to implement the default image enhancement data, the cartridge enhancement data, if present, being programmed on a computer readable medium integrated into a removable cartridge for the image forming device.